

**Tetra Tech, Inc.**

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Project: **Vandenberg Air Force Base IRP**Log of Well No. **31-MW-5**
 Location: OU4, Site 31, approximately 180 feet southwest
 of Building 1898, east side of Pike Road.

Date Started: 8/5/97 Completed: 8/6/97

 Logged By: J. Bonebrake
 Harting Checked By: K. McNamara, R.G.

 Drilled By: Brent Carpenter, S/G Testing *K-#6678*

Drilling Equipment: CME 75, 8-inch & 10-inch HSA

Sampling Equipment: None taken due to heavy sands

GS Elev.: 169.13 ft above MSL TD: 19 ft bgs

4" PVC Blank Casing: from 0 ft bgs to 5.7 ft bgs

0.01" Screening Casing: from 5.7 ft bgs to 15.7 ft bgs

Concrete: from 0 ft bgs to 1.5 ft bgs

Bentonite Transitional Seal: from 1.5 ft bgs to 3.5 ft bgs

2/12 Sand Filter Pack: from 3.5 ft bgs to 19 ft bgs

TOC Elev.: 171.85 ft above MSL

Depth (ft bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
	sand, brown (10YR 4/3), fine grained, poorly graded, subangular to subrounded, loose, slightly moist, few angular gravel, few grass and wood debris, fill.		SP					0/0	Start drilling 0935.
	sand, yellowish brown (10YR 5/4), fine grained, poorly graded, loose, slightly moist, trace silt, dune sand.		SP						Lithology logged from cuttings.
	dark brown (10YR 3/3), moist.								Heaving sands.
	yellowish brown (10YR 5/4), wet.								1020, 8/5/97, Tower down.
5									0815, 8/6/97, Tower up.
	light yellowish brown (10YR 6/4), moist.								
10									
	very moist.								
15									
									Drilled 8-inch hole to 5 ft. Drilled with 10-inch auger to 19 ft. Construct 4-inch well.
20									End drilling 0935.

4.0 ft bgs Groundwater depth during drilling

2.88 ft bgs Groundwater depth after well development on: 8/8/97

TC Number: A208-09

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